

**Commonwealth of Kentucky**  
**Division for Air Quality**

**PERMIT APPLICATION SUMMARY FORM**

Completed by: Mark Labhart

GENERAL INFORMATION:

Name:	Dixie Consumer Products, LLC
Address:	451 Harbison Rd, Lexington, Kentucky 40511
Date application received:	November 26, 2007
SIC/Source description:	2656/Nonfolding Sanitary Food Containers
Source ID #:	021-067-00052
Source A.I. #:	1051
Activity #:	APE20070001
Permit number:	F-04-021 R3

APPLICATION TYPE/PERMIT ACTIVITY:

<input type="checkbox"/> Initial issuance	<input type="checkbox"/> General permit
<input checked="" type="checkbox"/> Permit modification	<input checked="" type="checkbox"/> Conditional major
<input type="checkbox"/> Administrative	<input type="checkbox"/> Title V
<input checked="" type="checkbox"/> Minor	<input type="checkbox"/> Synthetic minor
<input type="checkbox"/> Significant	<input type="checkbox"/> Operating
<input type="checkbox"/> Permit renewal	<input checked="" type="checkbox"/> Construction/operating

COMPLIANCE SUMMARY:

<input type="checkbox"/> Source is out of compliance	<input type="checkbox"/> Compliance schedule included
<input type="checkbox"/> Compliance certification signed	

APPLICABLE REQUIREMENTS LIST:

<input type="checkbox"/> NSR	<input type="checkbox"/> NSPS	<input checked="" type="checkbox"/> SIP
<input type="checkbox"/> PSD	<input type="checkbox"/> NESHAPS	<input type="checkbox"/> Other
<input type="checkbox"/> Netted out of PSD/NSR	<input type="checkbox"/> Not major modification per 401 KAR 51:001, 1(116)(b)	

MISCELLANEOUS:

- ☐ Acid rain source
- ☐ Source subject to 112(r)
- ☒ Source applied for federally enforceable emissions cap
- ☐ Source provided terms for alternative operating scenarios
- ☐ Source subject to a MACT standard
- ☐ Source requested case-by-case 112(g) or (j) determination
- ☐ Application proposes new control technology
- ☒ Certified by responsible official
- ☒ Diagrams or drawings included
- ☐ Confidential business information (CBI) submitted in application
- ☐ Pollution Prevention Measures
- ☐ Area is non-attainment (list pollutants):

EMISSIONS SUMMARY:**F-04-021 R3**

Pollutant	2006 Actual (TPY)	Allowable (TPY)	Potential (TPY)
PM / PM10	8.5		37.1
SO2	0.01		0.3
NOx	1.9		48.6
CO	1.6		40.8
Lead	0		0
VOC	11.4		64.2
HAP (by CAS)			
Glycol Ethers multiple CAS #s	3.3	≤ 9	9.75
Styrene 100-42-5	1.2	≤ 9	6.3
Ethyl Benzene 100-41-4	1.2	≤ 9	6.3
Total HAP	5.6	≤ 22.5	22.4

**F-04-021 R1 & F-04-021 R2**

Pollutant	Projected Actual (TPY)	Allowable (TPY)	Potential (TPY)
PM / PM10	36.2		36.2
SO2	0.3		0.3
NOx	48.6		48.6
CO	40.8		40.8
Lead	0		0
VOC	60.8		60.8
HAP (by CAS)			
Glycol Ethers multiple CAS #s	< 9	≤ 9	9.75
Styrene 100-42-5	< 9	≤ 9	2.9
Ethyl Benzene 100-41-4	< 9	≤ 9	2.9
Total HAP	<22.5	≤ 22.5	15.5

**F-04-021 R3:**

Dixie Consumer Products is adding (1) additional polystyrene extruder line for production of cup lids. The source is also modifying an existing polypropylene extruder to process polystyrene in addition to polypropylene. VOC and PM potential emissions decrease slightly when processing the alternative material, but total HAP (styrene and ethyl benzene) emissions potential increase by 3.6 tpy. Total emission potential increase is 3.4 tpy VOC, 3.4 tpy styrene, 3.4 tpy ethyl benzene, and 0.9 tpy for particulates.

**F-04-021 R2:**

Name change only.

**F-04-021 R1:**

The source is now planning the addition of a new flexographic press. This press will be a replacement for one of the existing presses, however the old press will not be removed until the new press is operational. Included with new press will be two (2) natural gas fired dryers. The dryers are classified as insignificant activities. Two other insignificant activities are being added to the permit. These are two (2) Diesel IC Engines, one to be used for a Fire Fighting Water Pump and the other for an Emergency Generator.

**SOURCE DESCRIPTION:**

Fort James Operating Company manufactures disposable, sanitary, food and beverage containers (paper and plastic). Emissions units at the facility are (2) flexographic presses emitting VOC, (4) polystyrene extruders emitting HAP and VOC, and (5) polypropylene extruders that emit VOC and PM. Various heating devices that emit mainly NOx and CO, and PM emissions from various material handling processes. Insignificant activities include truck unloading and packaging operations including bagging operations and sealing cartons.

**EMISSIONS AND OPERATING CAPS DESCRIPTIONS:**

Dixie Consumer Products has requested voluntary permit limits of 9.0 tons per year or less of individual hazardous air pollutants (HAP) and 22.5 tons per year or less of combined HAPs.

**OPERATIONAL FLEXIBILITY:**

Dixie Consumer Products is not restricted as to hours of operation or quantity of product produced while remaining within the caps above.